



Saving the planet: A rad solution

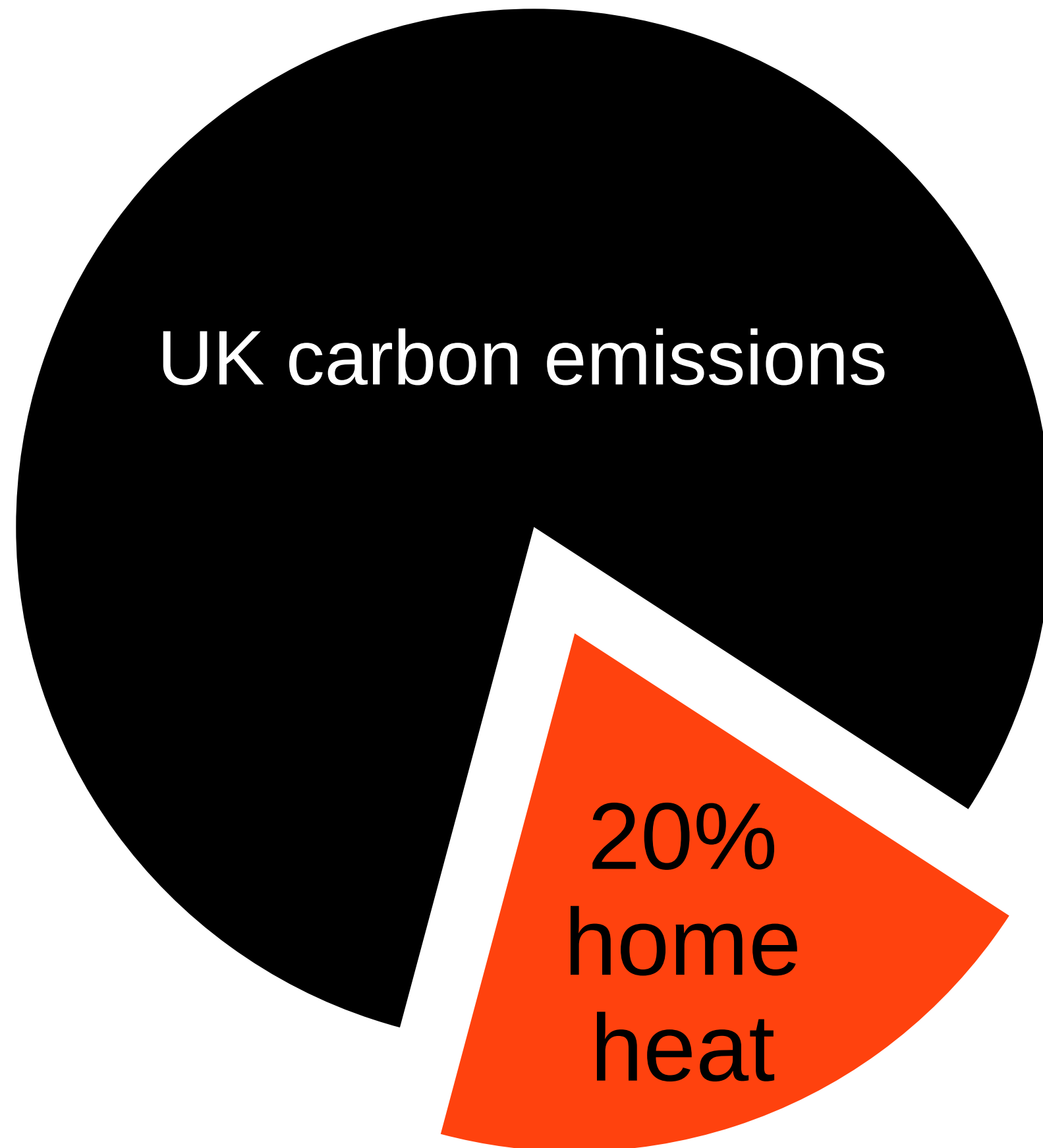
Damon Hart-Davis, CEO

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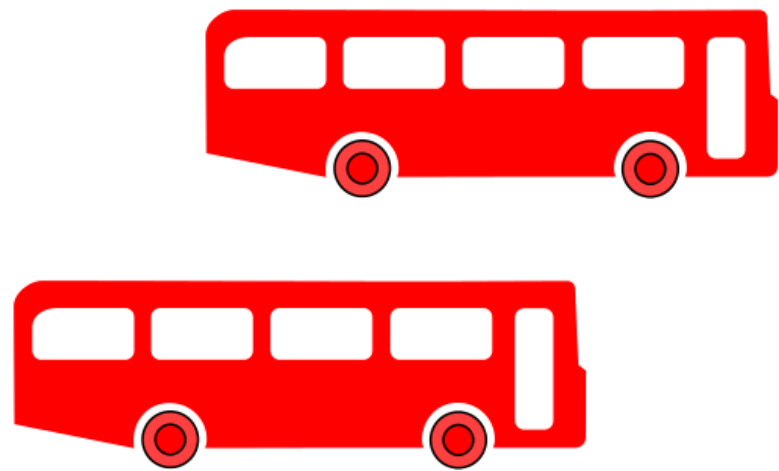
e opentrv@opentrv.org.uk

PROBLEM



Problem: UK carbon emissions from domestic space heat 20%, gas bill £10bn/y, 50% wasted.

PROBLEM



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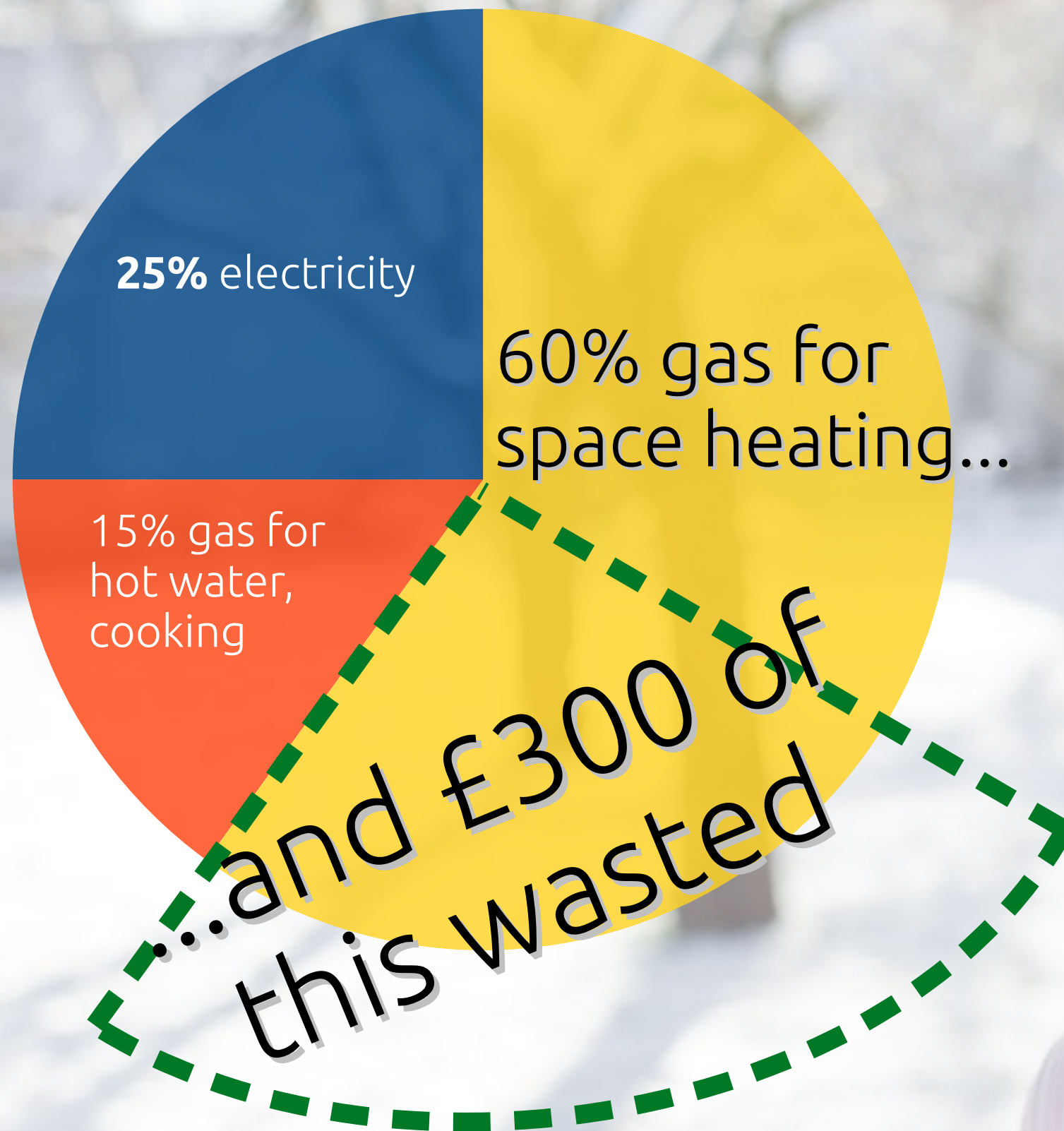
Problem: operator knows where buses are, but what about the people waiting?

SOLUTION



Solution: £10, pluggable backhaul across LAN/Internet, pluggable sensors, no soldering.

AVERAGE ENERGY BILL



PROBLEM

Not coping and cold

SOCIAL IMPACT

Health service saves up to £250/y for each person out of fuel poverty

OpenTRV monitors risky behaviour, eg overheating, condensation

SOLUTION

before

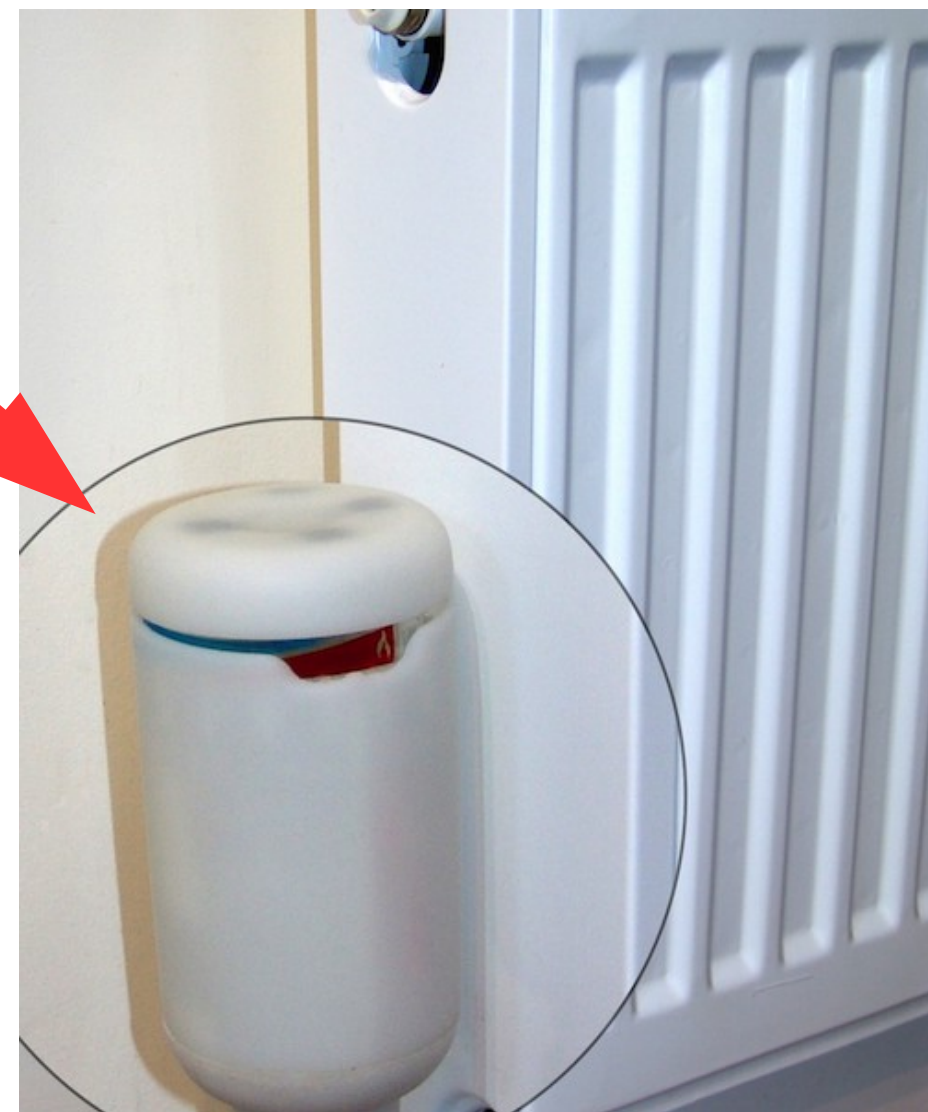


"£10 retail"

"no manual"

"simple to use"

after



"monitor RH, CO, activity"

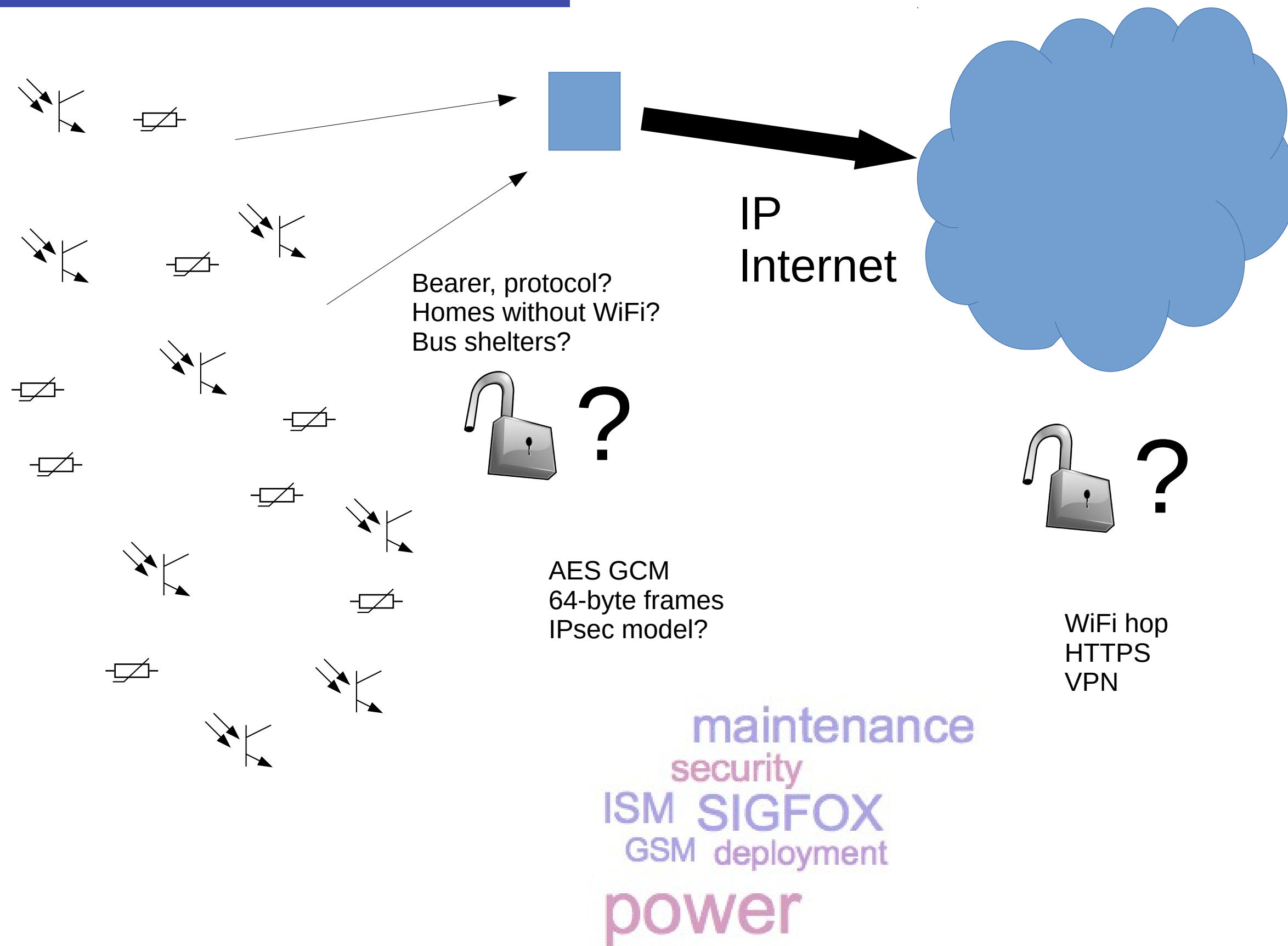
"Heat+Health as a service"

"utility decoupling"

Solution: £10, no-trades retrofit, **efficiency and monitoring** eg: activity, temperature, RH, CO.

open  **TRV**

SMALLER OR SMARTER?



IoT business case: If you can measure, you can manage. NB 'I' too big for small and cheap 'T'!

*"improve efficiency & quality-of-life,
cutting carbon"*

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"simple smart tech"

<http://bit.ly/1Aw4F2p>

<http://www.earth.org.uk/IoT-Launchpad-research.html>